# Watershed Alliance for the Greater Zumbro River

## GIS Approach

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## About the Project

The Greater Zumbro River Comprehensive Watershed Management Plan was developed through the One Watershed, One Plan (1W1P) program.  The program supports local partnerships to develop a prioritized, targeted, and measurable action plan for the watershed.
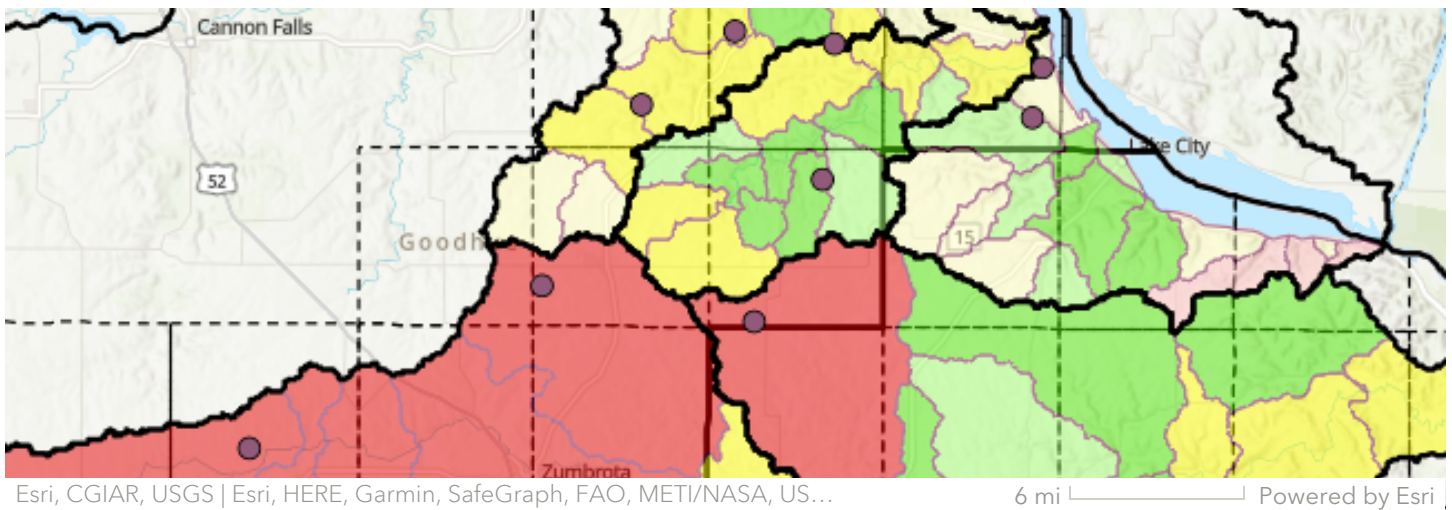
The Plan aims to:

- Bring neighbors together to work where it's most important in the watershed.
- Set measurable goals by identifying and prioritizing resources and issues.
- Address water quality and quantity, groundwater, drinking water, habitat, recreation, and other issues.
- Create opportunities for collaboration and dialogue between local partners, state agencies, and the public.

- Utilize data and strategies, and implement local solutions to meet our water management goals.
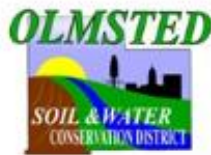
## Partners

The Watershed Alliance for the Greater Zumbro is a partnership between the Counties and Soil & Water Conservation Districts of Dodge, Goodhue, Olmsted, Rice, Wabasha, Steele, the Bear Valley Watershed District and the City of Rochester.

Esri, CGIAR, USGS | Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, US…        6 mi └────────┘        Powered by Esri

## Watershed Area

The watershed area covers approximately **1421 square miles** of the Zumbro River watershed and **233 square miles** of the Mississippi River Lake Pepin watershed. Boundaries fall within portions of Dodge, Goodhue, Olmsted, Rice, Steele, and Wabasha Counties.

# GIS Process

## Gathered PLSS information about the surrounding counties
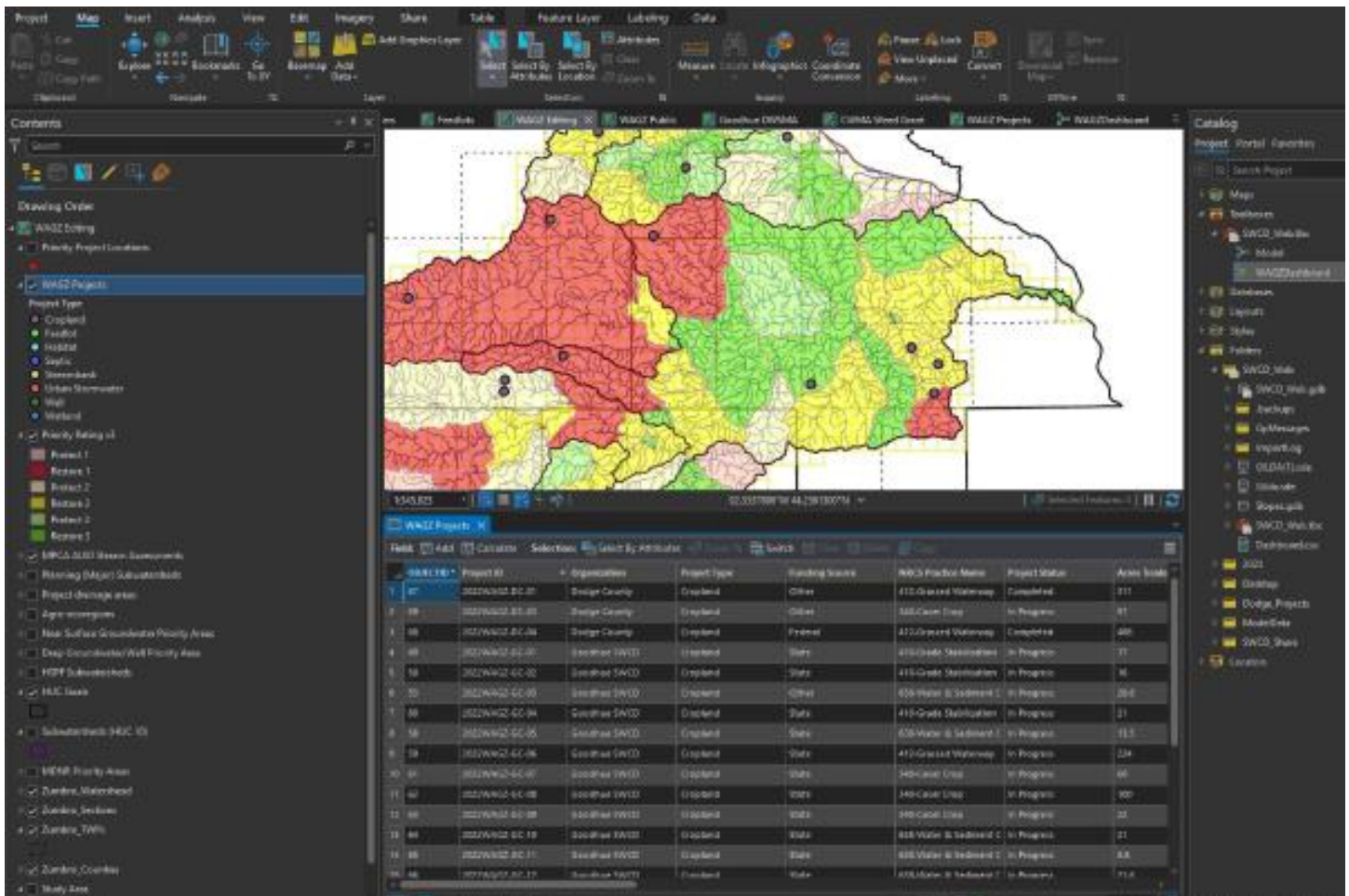


# GIS Process

Created editable data for project tracking. The process was broken into two components since one was capturing in field information, where as the calculations for cleanup happen after.
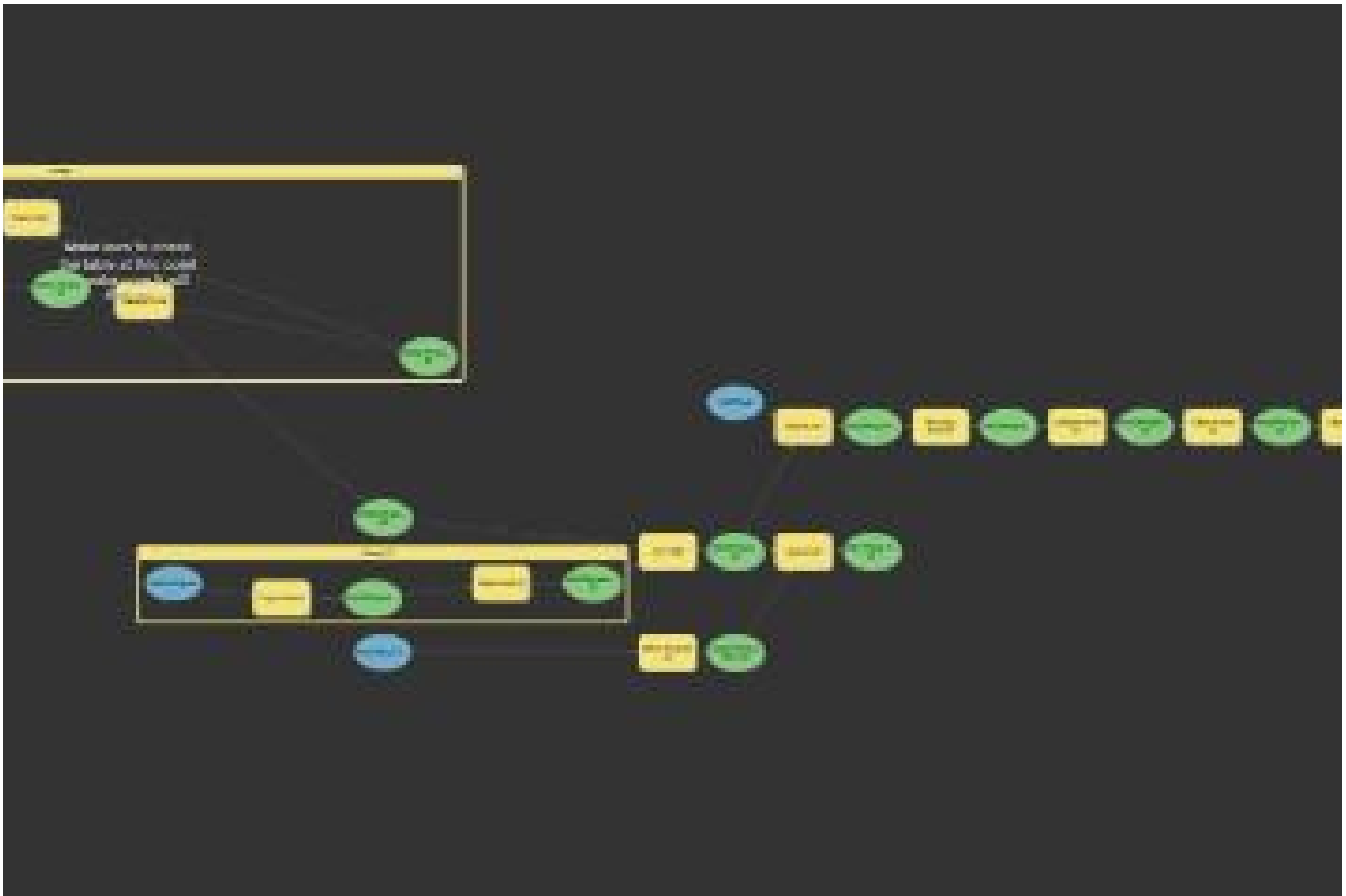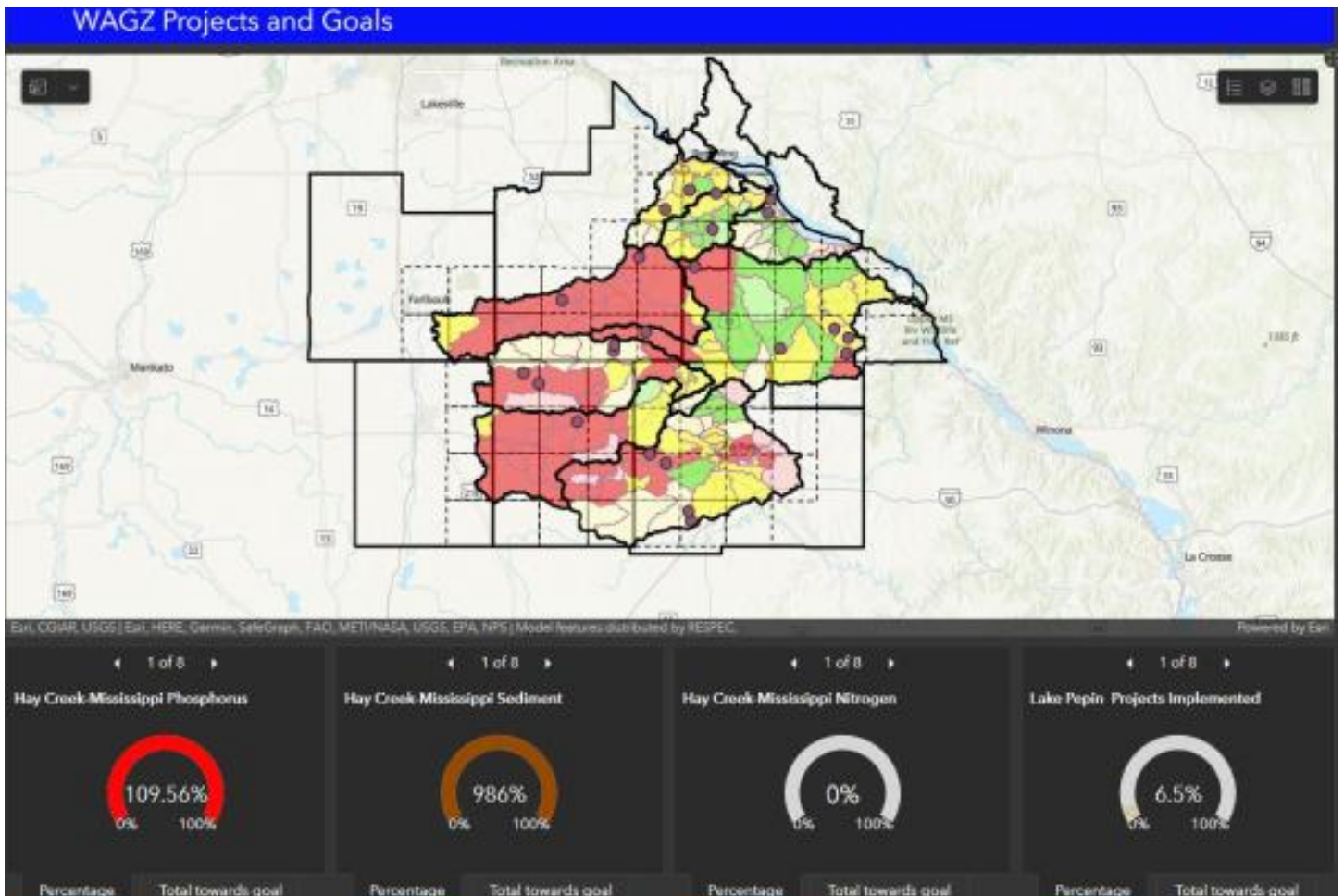
## GIS Process

Published data to AGOL and then created multiple users for the
separate counties

# GIS Process

Created a process to merge the calculated table data with the field data.

## GIS Process

All of this culminates into a public viewer that shows the percentage of the projects completion based on the watershed level

**WAGZ Dashboard**
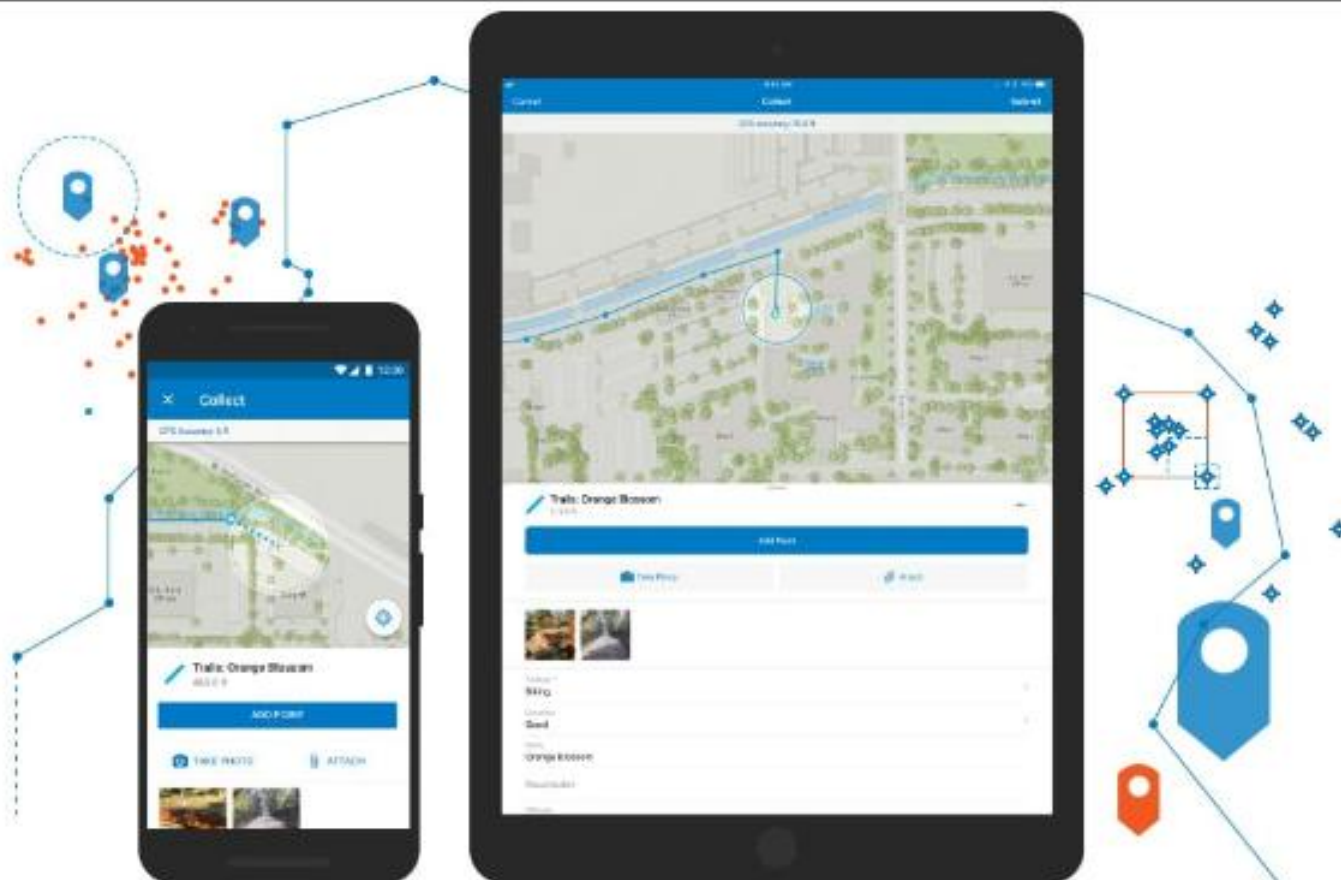
WAGZ Dashboard for showing information

https://goodhueco.maps.arcgis.com/apps/dashboards/7ff48844a8e
a401ab6234fe4543399ae

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# Problems with Collection and Collaboration

## Working with multiple agencies

sheer distance between the counties and the disparate nature of
working with GIS departments and SWCD workers



## Learning curve for users

need to make sure all users understand how to collect data and
enter the correct information

## Learning curve for for myself

Dashboard creation

Getting Data to the correct location

Making sure the log in information works

## Things learned from Collection and Collaboration

- Working with agencies is easier due to better connectivity
- Being as flexible as possible is key
- "Take Command"

**Watershed Alliance for the Greater Zumbro River**

Follow along with us as we work together to implement
the WAGZ Comprehensive Watershed Management…

https://storymaps.arcgis.com/collections/e1099a1b459a4fb1a5dd5a
2cf7d133da

## Questions?

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